

ATTACHMENT TO TCS SALT NO. 1

Excerpt from Final Draft of NIE 11-3-71, Soviet Strategic Defenses,  
dated 16 February 1971.

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### C. Ballistic Missile Detection and Early Warning

92. Hen Houses. The Soviets have relied on the deployment of large, high-powered phased-array radars -- called Hen Houses -- to provide EW of missile attack against the USSR. The locations and orientation of these radars afford the Soviets extensive, although incomplete, coverage of US ICBMs and SLBMs, as well as intermediate-range ballistic missile (IRBMs) launched from other countries.

Construction started in 1963-1964 on radars at Skrunda and Olenegorsk to provide radar coverage of the US ICBM threat corridor into the western USSR. The orientation of four new radars which have been under construction at Skrunda, Sevastopol', Sary Shagan, and Mishelevka since mid-1967 indicates that they are intended to provide coverage against SLBMs launched from parts of the North Atlantic, Arctic, Mediterranean, Pacific, and Indian Oceans as well as ballistic missiles launched from Europe and Communist China. At present, there is apparently no coverage which would provide warning of ICBMs launched from the U.S. toward targets in the eastern USSR, such as Irkutsk and Khabarovsk, or of SLBMs launched from the Mediterranean or southwest Atlantic to targets in the western USSR.

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The Hen Houses use a range of frequencies which cause US ICBM RVs to appear larger than they would at any other frequency. In addition, the Hen House uses sophisticated tracking signals which enable it to detect small targets at long ranges while providing precise tracking information.

94. Despite these capabilities, the Hen Houses have limitations which degrade their missile defense potential. The radars are located along the borders of the USSR so as to provide maximum warning of a missile attack and are, as a consequence, difficult to defend. In addition, the relatively low frequency of the Hen House signal makes the radar susceptible to nuclear blackout.

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